

OPTICAL PULSE POSITION MODULATION DISCRIMINATOR

ABSTRACT

Systems and methods are disclosed herein to provide various
5 optical techniques. For example, in accordance with an
embodiment of the present invention, a pulse position modulation
discriminator architecture is disclosed for discriminating
temporal positions of PPM-encoded optical pulses by converting
them from time modulated to frequency modulated signals. As
10 another example, time division multiplexed optical signals may
be translated to wavelength division multiplexed optical
signals. One or more of the architectures disclosed herein may
be implemented, for example, to provide PPM to FM or time to
wavelength conversion for receiver or transmitter applications.